BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Drains at BEL Layout 3rd Block, 4th Main Road in Ward No. 09 Vidyaranyapura sub Division.

					Estimate Cost Rs.			1700000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 141 / Item No. 19.1 / PWD SR 2015-16**	Cum							
	For Drain Desilting								
	BEL layout 3rd Block 4th Main Road L/S		1	213.00	0.45	0.45	43.13		
	BEL layout 3rd Block 4th Main Road R/S		1	210.00	0.45	0.45	42.53		
	Berm cutting								
	BEL layout 3rd Block 4th Main Road L/S		1	213.00	1.25	0.25	66.56		
	BEL layout 3rd Block 4th Main Road R/S		1	210.00	1.20	0.25	63.00		
							215.22	83.16	**17898.00**
	Basic Rate	77.00							
	Area Weightage @8%	6.16							
	Total	**83.16**							
2	Removing B.S Slab of Drain and stacking **Page No. 25 / Item No. 5.32 / PWD SR 2015-16**	Sqm							
	BEL layout 3rd Block 4th Main Road L/S		1	213.00		1.50	319.50		
	BEL layout 3rd Block 4th Main Road R/S		1	210.00		1.50	315.00		
							634.50	63.72	**40430.00**
	Basic Rate	59.00							
	Area Weightage @ 8%	4.72							
	Total	**63.72**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) **Page No. 25 / Item No. 5.33 / PWD SR 2015-16**	Sqm							
			Qty Vide Item No. 2				**634.50**	78.84	**50024.00**
	Basic Rate	73.00							
	Area Weightage @ 8%	5.84							
	Total	**78.84**							
4	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2015-16**	Cum							
	BEL layout 3rd Block 4th Main Road L/S		1	213.00	0.45	0.15	14.38		
	BEL layout 3rd Block 4th Main Road R/S		1	210.00	0.45	0.15	14.18		
							28.55	5070.60	**144778.00**
	Basic Rate	4695.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	375.60							
	Total	**5070.60**							
5	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6 / PWD SR 2015-16**	Cum							
	BEL layout 3rd Block 4th Main Road L/S		1	213.00	0.45	0.10	9.59		
	BEL layout 3rd Block 4th Main Road R/S		1	210.00	0.45	0.10	9.45		
	BEL layout 3rd Block 4th Main Road L/S		2	213.00	0.20	0.10	8.52		
	BEL layout 3rd Block 4th Main Road R/S		2	210.00	0.20	0.10	8.40		
							35.96	5490.72	**197419.00**
	Basic Rate	5084.00							
	Area Weightage @ 8%	406.72							
	Total	**5490.72**							
6	KSRB 5-14 : Providing and constructing **precast concrete solid blocks** with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 25 / Item No. 5.27 / PWD SR 2015-16**	Sqm							
	BEL layout 3rd Block 4th Main Road L/S		2	213.00		0.20	85.20		
	BEL layout 3rd Block 4th Main Road R/S		2	210.00		0.20	84.00		
							169.20	1018.44	**172320.00**
	Basic Rate	943.00							
	Area Weightage @ 8%	75.44							
	Total	**1018.44**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **Page No. 13 / Item No. 4.11 / PWD SR 2015-16**	Cum							
	HMT Layout 7th Block 4th Cross R/S Covering Slab		355	1.20	0.60	0.10	25.56		
	HMT Layout 7th Block 4th Cross R/S		350	1.20	0.60	0.10	25.20		
							50.76	6198.12	**314617.00**
	Basic Rate	5739.00							
	Area Weightage @ 8%	459.12							
	Total	**6198.12**							
8	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **TMT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD SR 2015-16**	Tonne							
	60 Kg / Cum		0.06	50.76			3.05		
							3.05	62887.58	**191530.00**
	Revised Basic Rate	58229.24							
	Area Weightage @ 8%	4658.34							
	Total	**62887.58**							
9	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls** at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.31 / PWD SR 2015-16**	Sqm							
			355	3.60		0.12	153.36		
			350	3.60		0.12	151.20		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	284.00					**304.56**	306.72	**93415.00**
	Area Weightage @ 8%	22.72							
	Total	**306.72**							
10	Providing and fixing **pre cast solid cement concrete kerb stones** made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. **Page No. 25 / Item No. 5.30 / PWD SR 2015-16**	Nos							
			1	213.00			473		
				0.45					
			1	210.00			467		
				0.45					
	Basic Rate	297.00					**940**	320.76	**301514.00**
	Area Weightage @ 8%	23.76							
	Total	**320.76**							
11	KSRB 15.19.1 : Providing and applying ready mix **priming coat over concrete** / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after throughtly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. **Page No. 121 / Item No. 15.80 / PWD SR 2015-16**	Sqm							
	BEL layout 3rd Block 4th Main Road L/S		1	213.00		0.40	85.20		
	BEL layout 3rd Block 4th Main Road R/S		1	210.00		0.40	84.00		
							169.20	27.00	**4568.00**
	Basic Rate	25.00							
	Area Weightage @ 8%	2.00							
	Total	**27.00**							
12	KSRB 15.20.1 : Providing and applying floor **painting with ready mix two coats** (Excluding priming coat) on new s concrete / masonry / asbestos cement sheet / / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. **Page No. 121 / Item No. 15.83 / PWD SR 2015-16**	Sqm							
			Qty Vide Item No. 11				169.20		
							169.20	51.84	**8771.00**
	Basic Rate	48.00							
	Area Weightage @ 8%	3.84							
	Total	**51.84**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
13	Lead for Disposal of Debris shall be payable at ...rage rates by Mechanical means inlcuding loading and unloading. **From 0.00 to 11.90 Km (PWD SR 2015-16** Rates P No 139)	Cum							
			Qty. Vide Item No. 1				**204.46**	106.34	**21742.00**
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 TX 11.90Km X 2.0/km= 30.46	30.46							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
		98.46							
	Area Weightage @ 8%	7.88							
	Total	**106.34**							
14	Sub Total								**1559026.00**
15	KRIDL Charges @ 8%								**124722.00**
16	Third Party Inspection Charges @ 1%								**15590.00**
17	Add for unforseen and rounding off	L/S							**662.00**
								Total	**1700000.00**

#NAME?

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
KRIDL

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
KRIDL.

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike 16/6/16
Byatarayanapura Division

Administrative Approval
Accorded For 17.00 lakhRs.
Head of A/C... P-2415
CER NO :..... 8 ..... Dt:.. 16.06.16

TA CE (YNK)

TECHNICAL SANCTION
Accorded For Rs..... 17.00 Lakhs.
Head of A/c..... P-2415
Div. Ref. No EE/TS/07/16-17 Date 25/06/16

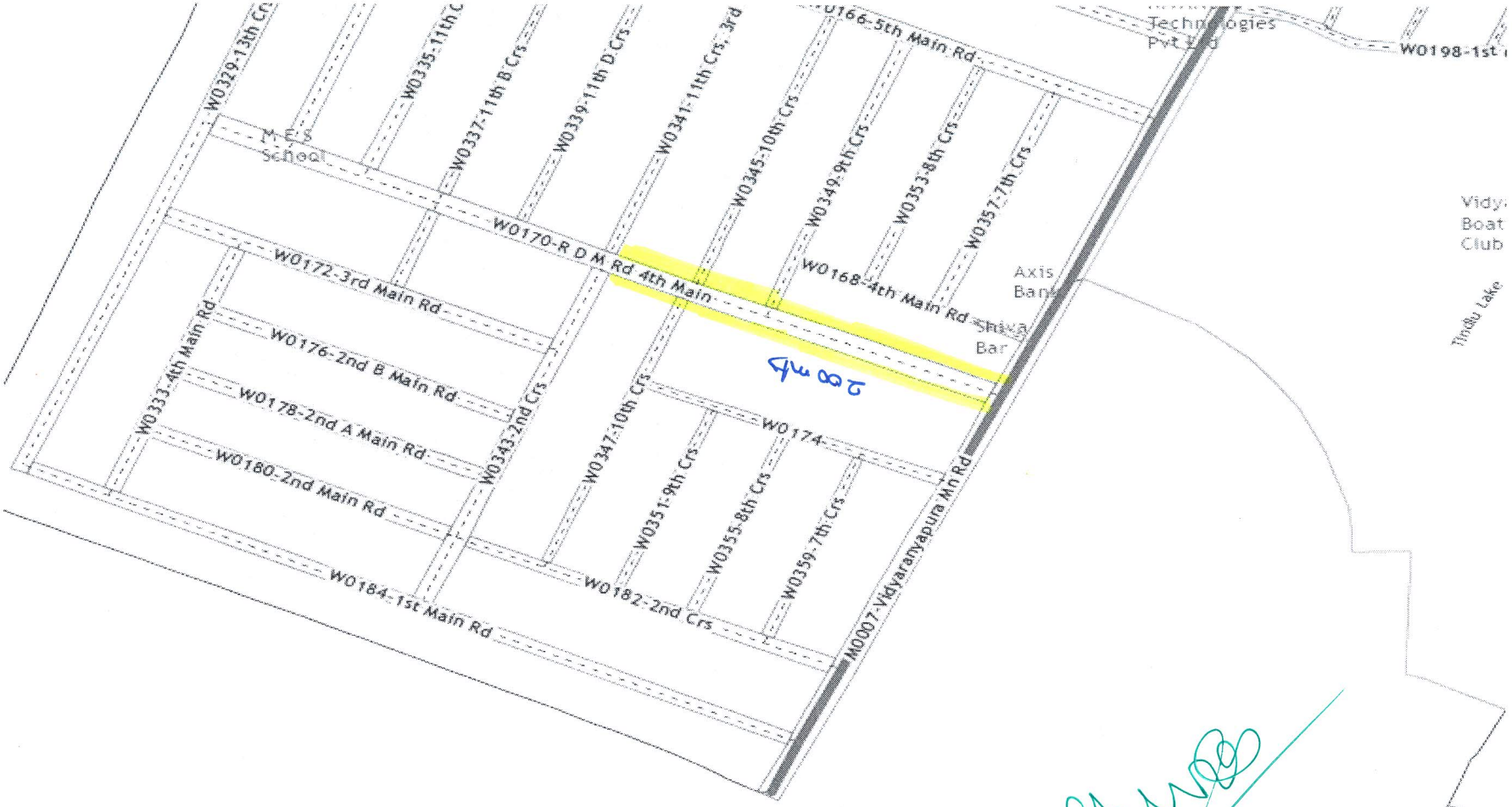
AE 25/06

EE(BTP)

25/6/16

(6)

Name of work : Improvements to drain at BEL Layout 3rd block 4th main road in ward No 09 of Vidyaranyapura sub Division



Assistant Engineer
Ward No 09

Assistant Executive Engineer
Vidyaranyapura Sub Division, BBMP